Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/05/2022 10:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123179	-2	3.44	123008	3.51
Blue	F	SSC	125000	120940	-4	4.12	121396	4.04
Blue	E	FITC	14284	13702	-5	4.16	382	14.44
Blue	D	PE	23919	23166	-4	3.93	549	11.20
Blue	B	PerCP-Cy5-5	31332	30202	-4	4.66	862	15.98
Blue	A	PE-Cy7	22272	21974	-2	6.40	456	32.07
Red	C	APC	47768	46996	-2	2.88	1614	12.02
Red	A	APC-Cy7	25313	24532	-4	3.30	696	12.88
Violet	B	V450	7085	6800	-5	4.22	474	11.74
Violet	A	V500	26969	25613	-6	3.81	875	8.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23251	4.80	582	-7	N/A	N/A	Pass
Blue	F	SSC	53920	3.66	521	0	N/A	N/A	Pass
Blue	E	FITC	55	57.02	493	-8	0.0391	47	Pass
Blue	D	PE	107	41.51	490	-7	0.4636	430	Pass
Blue	B	PerCP-Cy5-5	135	43.70	580	-8	0.0180	72	Pass
Blue	A	PE-Cy7	74	85.53	628	-7	0.0207	5	Pass
Red	C	APC	336	26.71	581	1	0.0251	130	Pass
Red	A	APC-Cy7	128	37.06	554	-1	0.0058	1502	Pass
Violet	B	V450	79	45.76	460	-3	0.0489	1679	Pass
Violet	A	V500	102	31.36	470	-4	0.0245	788	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.40	-31.31	0.99
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.69	13.60 - 20.40	N/A	N/A	29.78	29.99	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11193

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments